

# Artificial Intelligence in FemTech 2023

## *Teaser*



# FemTech Industry Analytical Framework

## FemTech Investors

Venture Capital Funds

Accelerators and Incubators

Angel Groups

Family Investment Offices

Private Equity Firms

Government Offices & University Programs

Investment Banks

## FemTech Companies

Reproductive Health & Contraception

General Healthcare

Pregnancy & Nursing

Women's Longevity

Menstrual Health

Mental Health

Pelvic & Uterine Healthcare

Sexual Health

Menopause Care

Women's Wellness

### Product Types Across Subsectors

Diagnostics

Telehealth

Devices (Wearables, Hardware, etc.)

Drugs, Vitamins & Supplements

Services

Apps / Software

Consumer Products

Digital Platform

## FemTech Hubs & Communities

Partnership and Networking

Startups Support Programs and Platforms

Events, Media and Marketing

## FemTech R&D Centers and Labs

Clinical and Scientific Medical Centers

Research, Policy and Education Institutions

R&D of Innovative Products and Services

# FemTech Industry Overview

## FemTech Definition

**FemTech (Female Technology)** is technology empowering women's health and well-being. This term is often applied to products, services, applications and software, medical devices, telehealth, wearables, hardware, therapeutic drugs, vitamins and supplements, digital platforms, and consumer products designed to improve or support women's health.

## Product Types



Diagnostics



Apps /  
Software



Devices  
(Wearables,  
Hardware, etc.)



Services



Drugs, vitamins  
& supplements



Consumer  
Products

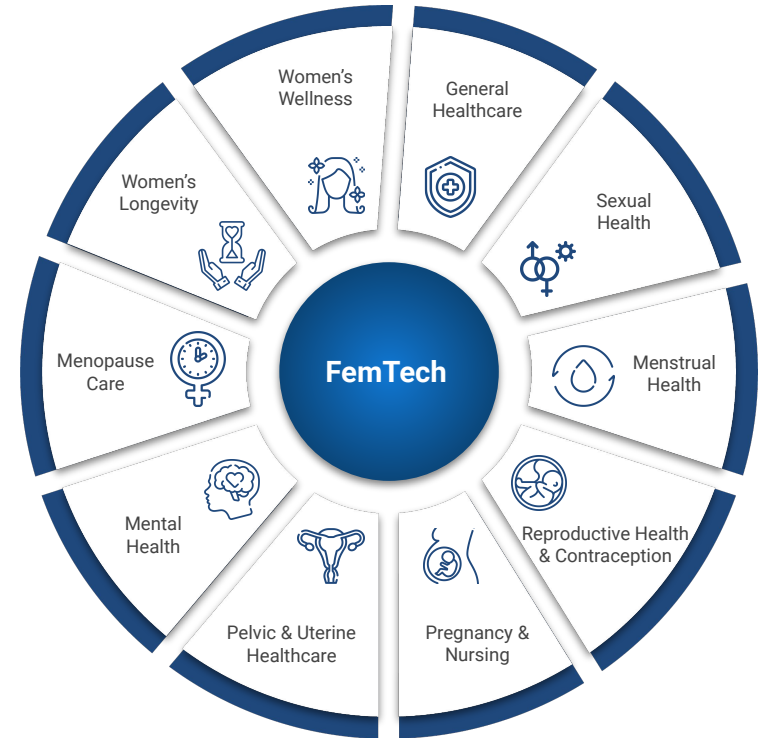


Telehealth



Digital Platform

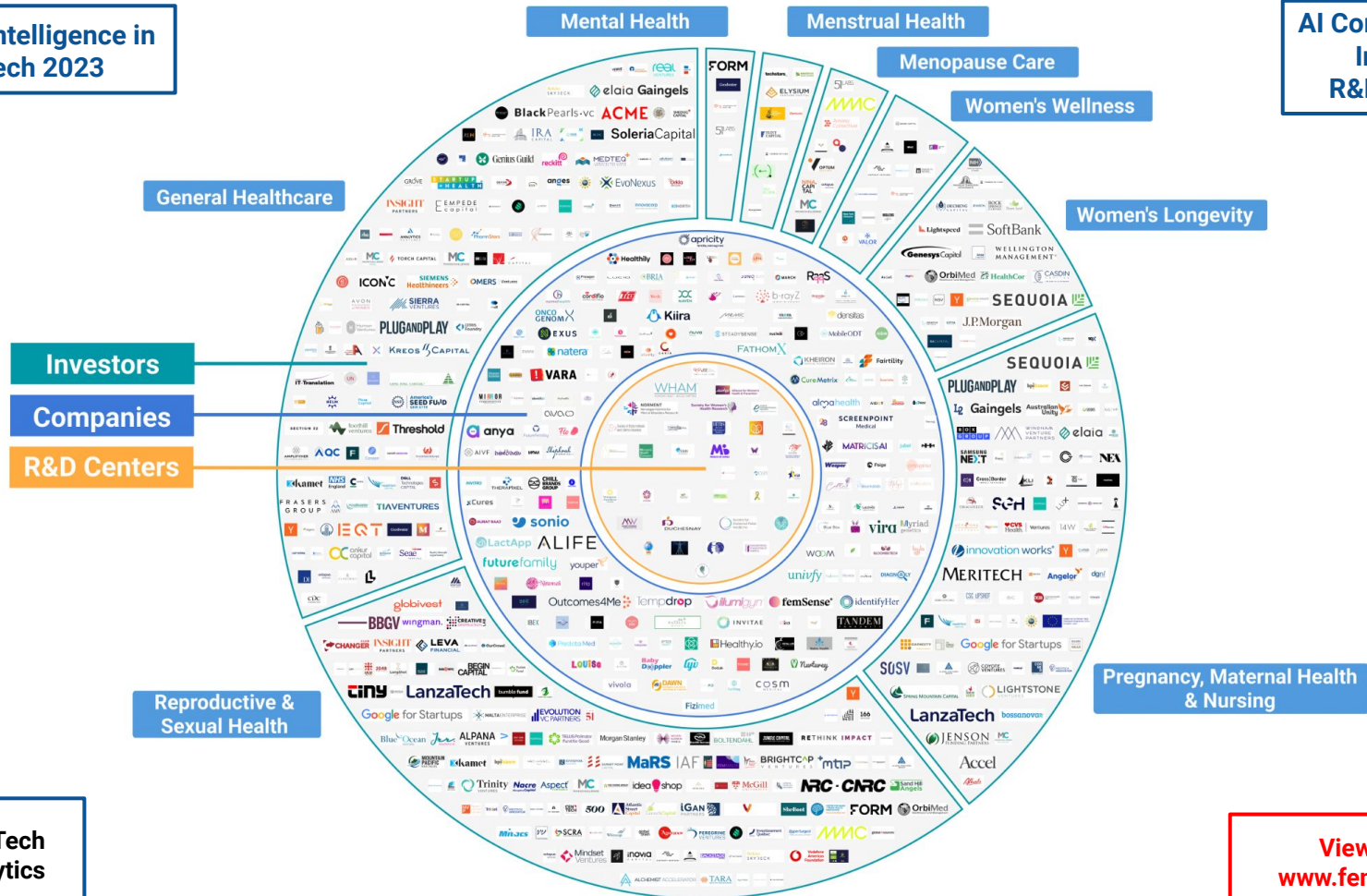
## FemTech Subsectors\*



\*There is an overlap between the subsectors but FemTech ensures more holistic healthcare for women; therefore subsectors work in alignment to support the overall health of women.

# Artificial Intelligence in FemTech 2023

AI Companies – 170  
Investors – 390  
R&D Centers – 35



Investors  
Companies  
R&D Centers



View More at  
[www.femtech.health](http://www.femtech.health)

[www.femtech.health/ai](http://www.femtech.health/ai)

# AI Implementation in FemTech

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## Examples of AI Tools Implementation in FemTech

- AI-powered fertility tracking and prediction tools
- Breast cancer detection using AI algorithms
- AI-powered menstrual cycle tracking and prediction apps
- Personalized nutrition plans generated by AI analysis of user data
- AI-powered virtual assistants for women's health concerns
- AI-based telemedicine platforms for remote healthcare services
- Machine learning models for predicting and preventing pregnancy complications
- AI-powered mental health support and therapy services
- Wearables using AI algorithms to track and analyze health data
- AI-powered medical imaging analysis for gynecological and obstetric conditions

# Potential Impact of AI on FemTech Market

Improved Diagnosis and Treatment

Personalized Care

Cost-Effective Healthcare

Improved Patient Engagement

Regulatory Compliance

Social Impact

Technological Advancement

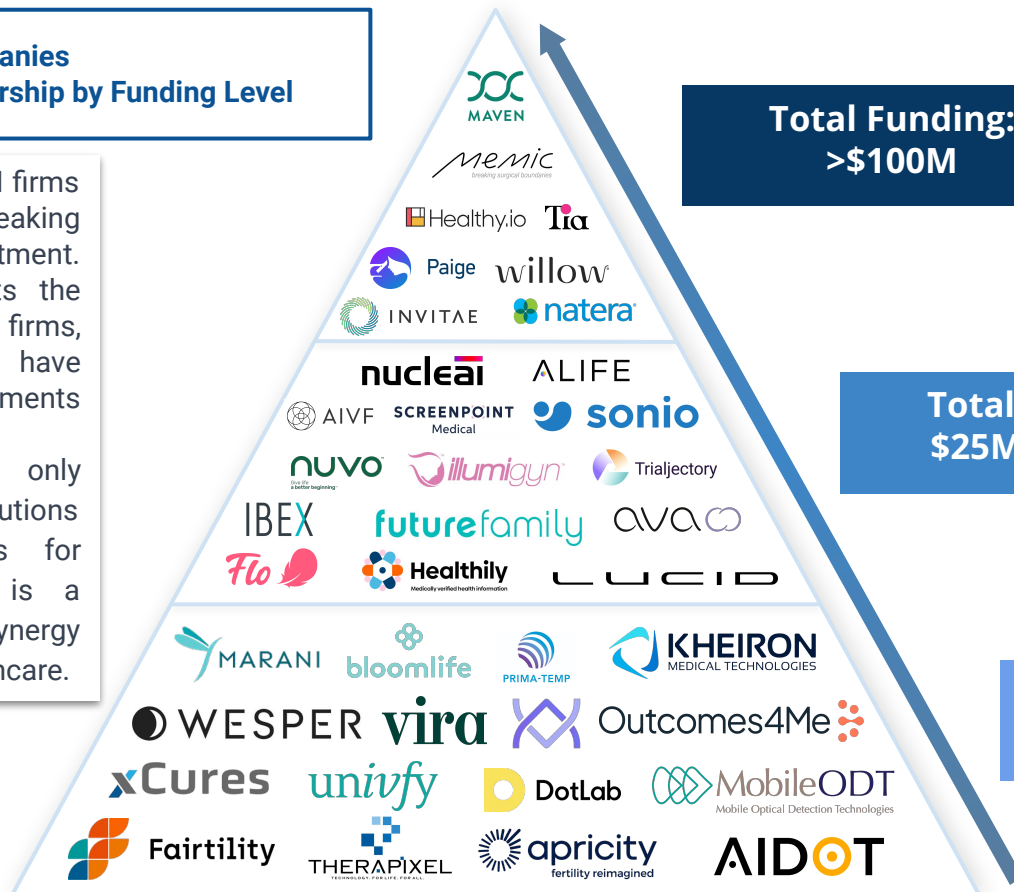
- AI can aid in accurate and quick diagnosis, leading to **better treatment plans and outcomes** for women's health.
- AI can provide **personalized care plans** by analyzing vast amounts of patient data, including genetic and lifestyle factors.
- AI can **optimize healthcare delivery, reduce medical errors, and improve patient outcomes**, leading to cost savings.
- AI can improve patient engagement through **personalized educational materials, reminders, and support**, leading to better adherence to treatment plans.
- AI can ensure compliance with regulatory requirements by **monitoring and reporting adherence to regulations**.
- AI-powered FemTech solutions can **improve healthcare access and outcomes for women worldwide**, particularly those in underserved communities.
- AI integration in FemTech can lead to **new technological advancements**, such as wearable devices and improved diagnostic tools.

# AI Femtech Companies: Leadership by Funding Level

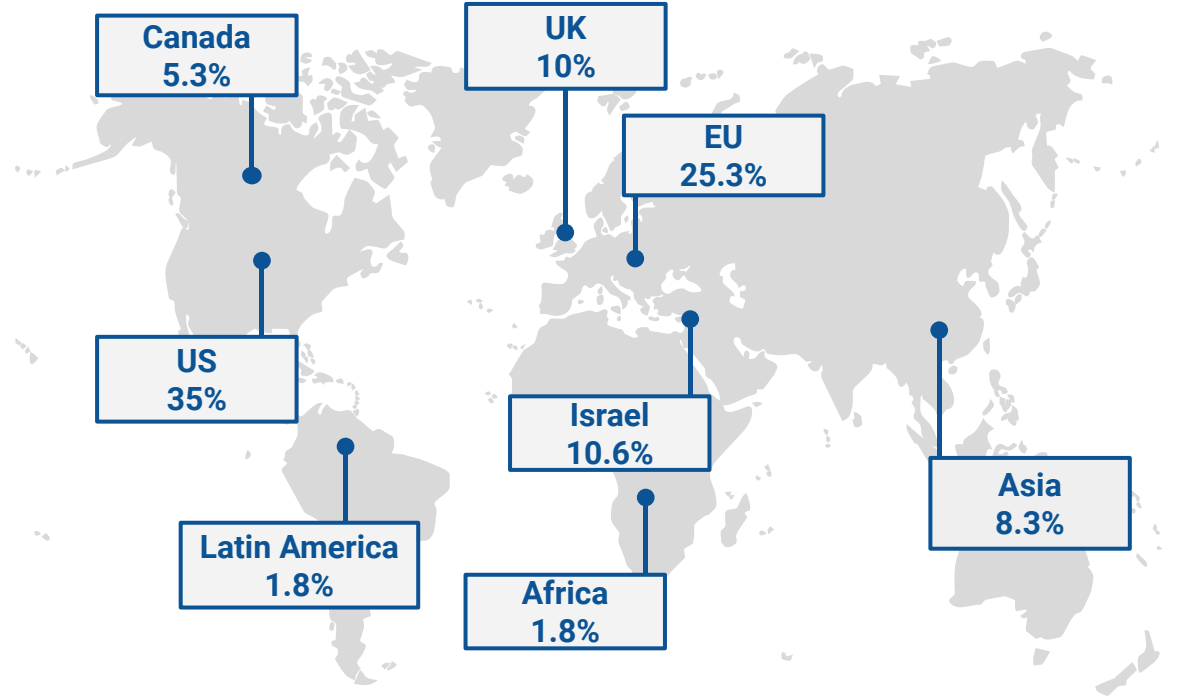
## AI Companies Focus on Femtech: Leadership by Funding Level

Within the field of FemTech, AI firms are spearheading groundbreaking strides in research and treatment. This representation highlights the dominant position of AI firms, emphasizing those that have garnered total investments surpassing \$10M.

These AI companies not only redefine women's health solutions but also set benchmarks for innovation. Their success is a testament to the evolving synergy between technology and healthcare.



## 170 AI Companies with FemTech Focus: Regional Proportion



**The United States** is firmly in the lead regarding its proportion of AI for FemTech companies (35%), with **EU** holding the second place (nearly 25%). Interestingly, **the United Kingdom** and **Israel** hold similarly close to 10% of companies each. However, the **Asia region** has just a bit more than 8%, with major companies placed in **India**. Less than 1% of companies are located in Australia, UAE, and Turkey each.



# Selected News for AI in Femtech

**Future Fertility** receives **CE Mark** Approval for its **AI-powered** Oocyte-Assessment Tools



FutureFertility

**Google** started to investing in **AI** models that can help acquire and interpret ultrasound images detecting gestational age in expectant mothers and early signs of breast cancer



A **fertility clinic** in the **UK** will use **Israeli AI** technology **from Fairtility** to determine the best quality embryos for in-vitro fertilization (IVF) treatments.



Fairtility

Jan 2022

Sep 2022

Mar 2023

Apr 2023

Aug 2023

FemTech Company **MobileODT** **Announces** the Release of a **Next Generation AI** Algorithm for **Cervical Cancer** Screening

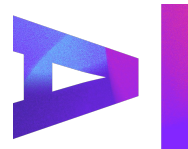


MobileODT

**Northwell Health** and Aegis Ventures' company **Ascertain** announced a new **AI algorithm** for **predicting** preeclampsia tackling worsening maternal mortality rates



Northwell  
Health®



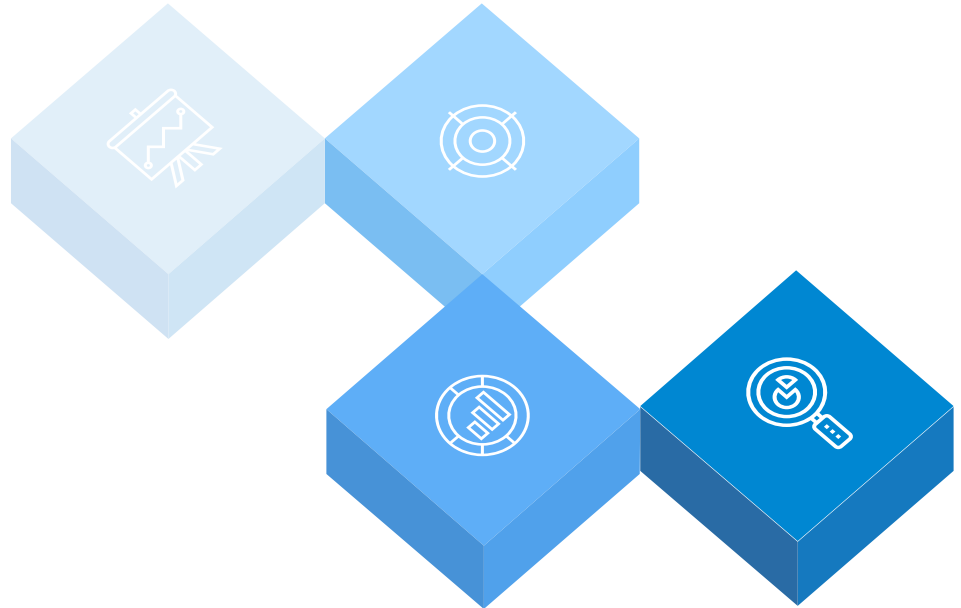
**Sonio** has received **Regulatory Class II FDA clearance** for a product that uses **AI** to ensure high quality exams and criteria of ultrasound images.



sonio

# FemTech Trends to Watch in 2023

- **Wearables and at Home Diagnostics:** Home diagnostic testing provides richer data gathering for better understanding. High costs of wearables and at-home diagnostics exclude many women. Companies prioritizing access for all will succeed.
- **Focus on Debilitating Chronic Diseases:** Bias in traditional medicine marginalizes women, who often feel unheard and dismissed. Companies addressing nuanced women's health conditions will have a significant impact.
- **Alternatives to Contraception:** Growing interest in alternative, non-hormonal, and holistic contraceptives drives the demand. More companies are likely to address this trend and offer diverse contraceptive options.
- **Hormone Literacy:** Tech-enabled hormone health solutions emphasize the importance of understanding hormones as intelligent regulators of the body.



# About FemTech Analytics

In June 2021, with a solid foundation in Analytics on Longevity and Women's Health, FemTech Analytics was launched, an analytical subsidiary of Deep Knowledge Group, specializing in the FemTech sector. FemTech Analytics provides a variety of services such as research, in-depth industry analysis, company and government agency profiling based on innovation potential and business activity, along with consulting and analytical services to promote the overall growth of the FemTech sector.

## FemTech Analytics is Focusing on Three Key Activities:

### Market Intelligence

Producing regular **open-access and proprietary reports** on the emerging topics and trends in the FemCare industry. All reports are supported by our back-end analytics systems and tools that allow to receive fresh insights and updates about opportunities and risks.



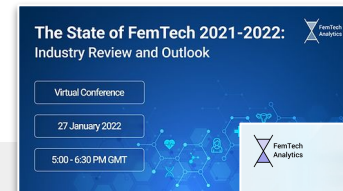
### Big Data Analytical System & Dashboard

Building a comprehensive **Big Data Analytical System & Dashboard** (SaaS) as a one-stop-platform for all market and business intelligence needs of our customers (SWOT analysis, M&A tools, region-focused market intelligence, market signals and trends based on tens of millions of constantly updated data points).



### Virtual Events and Webinars

Organizing **virtual conferences** featuring FemTech influencers, including founders & CEOs of startups and established companies, investors, scientists and other key players in the Women's Health industry.



# About Deep Knowledge Group

**Deep Knowledge Group** is a consortium of commercial and nonprofit organisations active on multiple fronts in the realm of DeepTech and Frontier Technologies (AI, Longevity, FinTech, GovTech, InvestTech), ranging from scientific research to investment, entrepreneurship, analytics, media, philanthropy, and more.

Deep Knowledge Group runs several data-driven **investments and financial vehicles**



Deep Knowledge Group's **analytical subsidiaries** are world leaders in analytics for DeepTech and Longevity industries



Deep Knowledge Philanthropy pioneers several infrastructural **social impact projects**



# Life Sciences Focused Subsidiaries



## Deep Pharma Intelligence

Highly specialized think tank in the area of biotech innovation profiling, market intelligence, and biotech development advisory. The company is dedicated to producing powerful data mining and visualization systems, interactive analytics tools, and industry reports offering deep technical insights, market intelligence, and strategic guidance in the high growth and significant opportunity areas.

[www.deep-pharma.tech](http://www.deep-pharma.tech)



## Neurotech Analytics

The world's premier source of NeuroTech Industry Analytics, Forecasting and Benchmarking. Neurotech.com is the central repository of market insights and analytics, and news for the NeuroTech space, including sectors, influencers, investors, technologies, R&D centers, Hubs, companies, and trends.

[www.neurotech.com](http://www.neurotech.com)



## Aging Analytics Agency

The world's premier provider of industry analytics on the topics of Longevity, Precision Preventive Medicine and Economics of Aging, and the convergence of technologies such as AI, Blockchain, Digital Health and their impact on the healthcare industry. Aging Analytics Agency is the only analytical company focused exclusively on the topics of Ageing, Geroscience and Longevity.

[www.aginganalytics.com](http://www.aginganalytics.com)



## FemTech Analytics

Strategic analytics agency focused on the emerging FemTech sector, providing insights into key subsectors such as Reproductive Health & Contraception, General Health Care, Longevity, Mental Health, Menstrual Health, Pregnancy & Nursing, Sexual Health, Pelvic & Uterine Health Care, Menopause Care, and Women's Wellness. FemTech Analytics offers a range of services including research and in-depth analysis on the FemTech industry.

[www.femtech.health](http://www.femtech.health)



# Big Data Analytics System and Dashboards

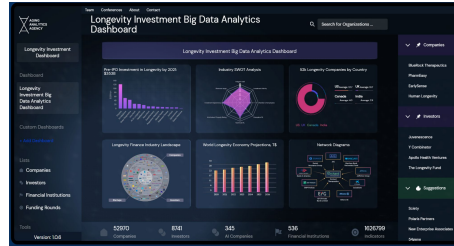
We provide deep investment and data science insights on the private and public markets via customized IT platforms we call **Dashboards**. In essence, Dashboard is a Big Data Analytical System that consists of separate Dashboards:

**Five** dashboards for the Longevity & BioTech Industry

**Seven** dashboards for the DeepTech Industry

917,000	Companies
101,000	Investors
87 million	Data Points
170	Parameters of Automated SWOT Analysis

Longevity Investment Dashboard



[www.deep-innovation.tech/longevity-investment](http://www.deep-innovation.tech/longevity-investment)

Longevity Public Companies Dashboard



[www.deep-innovation.tech/public-longevity-investment-dashboard](http://www.deep-innovation.tech/public-longevity-investment-dashboard)

Longevity Finance Dashboard



[www.deep-innovation.tech/longevity-finance-dashboard](http://www.deep-innovation.tech/longevity-finance-dashboard)

Longevity Governance Dashboard



[www.deep-innovation.tech/longevity-governance](http://www.deep-innovation.tech/longevity-governance)

## Market Intelligence Focus

HealthTech

Longevity

DeepTech

GovTech

BioTech

Philanthropy



Link to the Platform: [www.femtech.health/ai](http://www.femtech.health/ai)

E-mail: [info@femtech.health](mailto:info@femtech.health)

Website: [www.femtech.health](http://www.femtech.health)

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